

October 28, 2016

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee  
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for  
CPC, OPC, and WPC

**Climate Prediction Center**

The following accelerated items were implemented this past week:

RFC #768 – For the interactive ERF Display Tool, a minor change was made to update a perl script to facilitate accurate pie charts on the dynamic display tool for the Alaska 6-10 day outlook product. Implemented on October 27 at 1600Z.

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The following will be implemented the week of October 31, 2016:

RFC #738 – GlobalPrecipitationSummary v1.0.1 – A 14-day accumulation climatology was requested for a CPC project. This change adds scripts to the GlobalPrecipitationSummary application that can create the climatology, copies the climatology to the central data storage, and updates the GrADS ctl files available in the application to include the new climatologies. Was to be implemented on October 6 at 1300Z; postponed to October 13 at 1300Z due to CWD; postponed to October 20 at 1300Z due to CWD and personnel availability; postponed to November 1 at 1300Z due to personnel availability.

RFC #769 – ERF Consolidation v1.3 – Add the creation of climatology images at given percentiles to help forecasters better interpret forecast anomaly graphics already being produced. To be implemented on October 31 at 1930Z.

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of October 31, 2016 may affect CPC:

RFC #2502 – Create an account and provide sudo privilege for NCO's database administrator on cpccf16, to enable the dba to administer and troubleshoot the database on the system. To be implemented on November 2 at 1500Z.

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The following NCO RFCs are in progress and may affect CPC:

None

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### **Ocean Prediction Center**

The following accelerated items were implemented this past week:

RFC #770 – Added Sentinel-3a data to NAWIPS in the “SGWHE” spot. Added a script to download the data from NESDIS and convert it to an NAWIPS format. Included cleanup of raw and processed data. Implemented on October 26 at 1800Z.

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The following will be implemented the week of October 31, 2016:

RFC #771 – ‘send\_to\_TOC.pl’ v2016.10.31 – Script ‘send\_to\_TOC.pl’ will now send the target file to both TG FTPS servers (CP and Boulder). Additional error checking and reporting has been added, including information about which FTPS server is acting as primary. The associated table of authorization credentials has also been updated. To be implemented on October 31 at 1230Z.

RFC #772 – ‘send\_to\_popup.pl’ v2016.10.31 – Script ‘send\_to\_popup.pl’ has been updated to fix a silent failure. OAB will now get an email upon an error condition. To be implemented on October 31 at 1230Z.

RFC #773 - Update webpages to either change or remove links. Retire one old page. Fix HTML validation errors. To be implemented on October 31 at 1230Z.

RFC #774 - Update any webpage that has a hard-coded OPC URL to use the HTTP\_HOST environment variable instead. This will allow for seamless use of ocean.weather.gov on OPC's webpages once the new website name is implemented. To be implemented on October 31 at 1230Z.

RFC #775 – Remove scripts that are no longer being used. To be implemented on October 31 at 1330Z.

RFC #776 - Multiple web pages are no longer being used. They are being moved to "old" directories which cannot be accessed via the web. To be implemented on November 1 at 1400Z.

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of October 31, 2016 may affect OPC:

RFC #2486 – Make a change to allow NAVO to push sea surface temperature and altimetry products to <ftp.hq.ncep.noaa.gov>. To be implemented on October 31 at 1400Z.

RFC #2488 – Install the perl-DateTime module RPM on the following operational OPC workstations: outlook, aths, pacreg, pachs, bkup, bkup3, and atreg. To be implemented on October 31 at 1430Z.

RFC #2501 – RAP v3.0.5, HRRR v2.0.5 - Change four 'wrfpost.fd' subroutines in both the RAP and the HRRR to revert to the previous method of computing wind gust (via PBL height) in response to complaints from many users about the new version. Change 'GETGRIB.f' in the 'hrrr\_smartinit.fd' code to prevent missing ceiling values from becoming 0s. Change the 'wrf.nl' namelist parm file in HRRR.v2.0.5 to prevent problem with sub-hourly time-averaged parameters at f03 hours. To be implemented on November 2 at 1415Z.

RFC #2507 – Update SEAICE and RTGSSTHR models as follows: For SEAICE: Add F-18 SSMI/S analysis and move to Phase-2. Make changes for scripts/\*, jobs/\*, ush/\*, ecf/\* per implementation standards. Add 'makefile.mk' to hold general definitions for makes. Update 'makeall.sh' to use modules. Improve F90 compliance: go to, implicit none, numbered do loops. For RTGSSTHR: Make changes for Environmental Equivalence and move to Phase-2. Add a new GRIB2 version of the analysis file to facilitate display of RTG\_SST\_HR analysis in NOMADS. To be implemented on November 1 at 1300Z.

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The following NCO RFCs are in progress and may affect OPC:

None

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### **Weather Prediction Center**

The following accelerated items were implemented this past week:

RFC #777 – getsnowobs v2016.10.25 – The CoCoRahs script was not displaying the entire dataset in NMAP when the data storage failed due to a missing station ID. 'getsnowobs' was updated to change the construction of the station ID for the GEMPAK file to avoid missing station IDs and the data storage error. Implemented on October 25 at 1700Z.

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The following will be implemented the week of October 31, 2016:

None

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of October 31, 2016 may affect WPC:

RFC #2494 – The NWS Weather Forecast Office (WFO) in Charleston (RLX), WV, will make several changes to existing fire and public forecast zones for the mountains of West Virginia. Six existing fire and public zones that currently make up the mountains of West Virginia will split into 12 separate zones along the 2,500 foot elevation. The zones will be split into northwest and southeast. The new shapefiles must be put onto a NIDS server so that the point-and-click forecast will reference the modified zones. To be implemented on November 1 at 1200Z.

RFC #2496 – MRMS v11.0.3 – Update MRMS to include the following: for RIDGE2, increase geoTiff resolution for single radar products; update severe weather algorithms; and implement Hydromet (previously HMRG) updates. To be implemented beginning on November 1 at 1200Z and should be completed by 2100Z on November 23.

RFC #2501 – RAP v3.0.5, HRRR v2.0.5 - Change four 'wrfpost.fd' subroutines in both the RAP and the HRRR to revert to the previous method of computing wind gust (via PBL height) in response to complaints from many users about the new version. Change 'GETGRIB.f' in the 'hrrr\_smartinit.fd' code to prevent missing ceiling values from becoming 0s. Change the 'wrf.nl' namelist parm file in HRRR.v2.0.5 to prevent problem with sub-hourly time-averaged parameters at f03 hours. To be implemented on November 2 at 1415Z.

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The following NCO RFCs are in progress and may affect WPC:

None

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Please note that security-related RFCs are never listed in the RFC memo.

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---- OPERATIONAL ANNOUNCEMENTS ----

The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncp-ncm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

Users who wish to view their network utilization via the Scrutinizer appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at [NCWCP.helpdesk@noaa.gov](mailto:NCWCP.helpdesk@noaa.gov).